Daily Diary Report by Bid Item

Contract No.: **04-0120F4**

Diary #: **331** **Const Calendar Day:** 26 **Date:** **30-Jun-2012** **Saturday**
Inspector Name: **Wright, Doug** **Title:** **Transportation Engineer**
Inspection Type: No Inspection
Shift Hours: 03:20 AM 07:30 AM **Break:** 00:00 **Over Time:** 04:00
Federal ID:
Location:
Reviewer: **Schmitt, Alex** **Approved Date:** **Status:** Submit

04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge

Weather

Temperature **7 AM** **12 PM** **4PM**
Precipitation **Condition**

Working Day ☑ If no, explain:

Diary: Dispute ☐

Swing Out Activities

I spent the morning doing survey checks on the Cable. TY Lin wanted some data on how much the Cable main-spans have rotated due to the swing-out of the Cable (pulled outward 5.4m at PP104). Matt Bruce & I laid out the new top-center of the Cable to be able to determine the amount of rotation.

- At 03:20, I arrived at the pier 7 office, & was on the bridge at 03:40.
- From 03:40 until 04:00, we gathered some equipment to start the survey checks.
- From 04:00 until 05:15, we laid out the top-center of Cable along the North main-span from PP104 to PP110. We also measured the arc length between the old top-center of Cable & the new top-center of Cable. See below for a list of the measured arc lengths.
- From 05:15 until 06:15, we laid out the top-center of Cable along the South main-span from PP44 to PP102. We also measured the arc length between the old top-center of Cable & the new top-center of Cable. See below for a list of the measured arc lengths.
- From 06:15 until 06:45, I put away the equipment & ladders that we were using while Matt was doing some checks on the OBG.
- At 06:45, I left the bridge.
- From 06:45 until 07:15, I finished compiling the Cable rotation survey data collected today.
- From 07:15 until 07:30, I wrote my diary for the day, & checked email.

Below is a list of the amount & direction of Cable rotation due to Cable swing-out for the North main-span:
Note: 1 degree of rotation is equal to 6.8mm of arc length
PP# - Rotated Arc L - Direction of rotation (clockwise or counter CW, looking East)
104N - 61mm - CW
106N - 54mm - CW
108N - 22mm - CW
110N - 7mm - Counter-CW

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Below is a list of the amount & direction of Cable rotation due to Cable swing-out for the South main-span:
Note: 1 degree of rotation is equal to 6.8mm of arc length
PP# - Rotated Arc L - Direction of rotation (clockwise or counter CW, looking East)
102S - 83mm - Counter-CW
104S - 68mm - Counter-CW
106S - 50mm - Counter-CW
108S - 21mm - Counter-CW
110S - 9mm - CW

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